Amendments to the Specification:

On page 3, please replace the paragraphs after the heading "BRIEF DESCRIPTION OF THE DRAWINGS" which bridges page 4, with the following amended paragraphs.

FIG. 1 is a diagram of phase transformation temperature versus end chain length (m) of compound I (m, 2, 2) of the present invention.

FIG. 2 is a phase transformation diagram of compound II (10, p, q; p=0, 3~4, q=2~4) of the present invention during cooling process wherein the chiral terminal group is coupled with linear group or swallow-tailed group.

FIG. 3 is phase transformation diagram of compound III (X, Y) of the present invention wherein the halogen group is substituted with side chain.

FIG. 4 is the spontaneous polarity (P_s) of compound I (m, 2, 2).

FIG. 5 is the spontaneous polarity (P_s) of compound II (10, [[n]] p, q).

FIG. 6 is the spontaneous polarity (P_s) of compound III (X, Y) and unsubstituted compound I (10, 2, 2).

FIG. 7 is the diagram of transmitting response versus electric field of compound I (10, 2, 2), compound II (10, 0, 2) and compound III (Cl, H), after adding a triangle wave in a 5 m cell.

Please replace the Table 2 on page 5 which bridges page 6 with the following amended Table 2.

Table 2 Phase transformation temperature of compound II (10, p, q; n=0,3~4, q=2~4) and relative enthalpy data

Phase Transformation Temperature (℃)[a]										
Compound	Iso		SmA*		SmC*		SmX*		Cr.[b]	mp.[c]
II(10, 0, 2)	●	146.5	●	117.8	●	31.6	●	16.83	●	60.3
		[5.59][d]		[0.54]		[4.09]		[19.4]		[45.81]
I(10, 2, 2)	●	120.4	●	105.9	●	21.4			●	82.2
		[3.45]		[0.63]		[13.58]				[34.76]
II(10, 3, 3)	●	101.3	●	85.5	●	21.5			●	38.7
		[9.49]		[2.67]		[18.04]				[32.04]
II(10, 4, 4)	●	89.6	●	69.7	●	20.5			●	48.7
		[1.05]		[0.51]		[17.10]				[36.95]

[a]Rorded by DSC thermograms at cooling rates of 5℃ min^{-1}
[b]Cr refers to crystal.
[c]m.p. refers to melting point taken from DSC thermograms recorded at heating rates of 5℃ min^{-1}.
[d]Figures in square parenthesis denote enthalpies quoted in Jg^{-1}.

On page 7, please replace the first full paragraph with the following amended paragraph.

FIG. 2 is a phase transformation diagram of compound I (10, 2, 2) and compound II (10, [[n]] p, q) of the present invention during cooling process, wherein the chiral terminal groups of compound I and II are coupled with linear group or swallow-tailed group. From the figure we know that if the chiral terminus is coupled with linear chain, the thermostability of Sma* and SmC* is excellent. Such character proves that the chain length of the chiral terminus effects the smetic phase formation. It also proves that the clear point and phase transformation temperature of SmA*-SmC* decreases as the chain length of swallow-tailed group increases. Therefore, the extended swallow-tailed group can stabilize SmA* phase but suppresses the formation of SmC*.

On page 8, please replace the second full paragraph with the following amended paragraph.

FIG. 5 shows that the highest P_s value of compound II (10, [[n]] p, q) ranges from 97-119 nC · cm^{-2}. Comparing compound II (10, [[n]] p, q) with compound I (10, 2, 2), the chiral compound with linear chain has less spontaneous polarity. On the other hand, comparing compound I (10, 2, 2) with compound II (10, 3, 3), it is observed that the compounds with longer swallow-tailed group have lower P_s value.